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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/634,871

08/06/2003

Noam Kedem

246/217

7627

71511

7590

04/16/2009

MARK M. FRIEDMAN

C/O DISCOVEY DISPATCH, 9003 FLIRIN WAY

UPPER MARLBORO, MD 20772

EXAMINER

FIGUEROA, FELIX O

ART UNIT

PAPER NUMBER

2833

NOTIFICATION DATE

DELIVERY MODE

04/16/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENTS@FRIEDPAT.COM

friedpat@yahoo.com

sharon\_l@friedpat.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/634,871	<b>Applicant(s)</b> KEDEM, NOAM	
	<b>Examiner</b> Felix O. Figueroa	<b>Art Unit</b> 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 January 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 8-10, 13, 18 and 23-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 8-10, 13, 18 and 23-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>11/19/2008</u>  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07/17/2008 has been entered.

### ***Information Disclosure Statement***

The information disclosure statement filed 02/06/2008 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

### ***Drawings***

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, "the peripheral device... ..that is directly operationally connected to no other device" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. Please note that Fig. 5 appears to show the device 90 connected to the bridge controller 3.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended

replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13, 8-10, 18 and 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meng (US 6,231,399) in view of Zhu et al. (US 6,142,833).

Regarding claim 13, Meng discloses system board (col.2, line 57) comprising a connector (10) that includes: a first port (14) situated on the system board; a second port (16) facing inward to an interior of the system board; and a peripheral device (daughter board, not shown) operationally connected to the inward facing port. Meng does not disclose the first port being situated at an outermost exterior edge of the system board and facing outward from the exterior edge. However, Meng discloses that

"changes may be made in detail, especially in the matters of shape, size and arrangement of parts within the principles of the invention" (col. 3 lines 3-5).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to form the first port situated at an outermost exterior edge of the system board and facing outward from the exterior edge, as a matter of inventors preference and/or to provide greater accessibility to the first port.

Regarding claim 24, Meng discloses the ports being substantially functionally identical.

Regarding claim 25, Meng discloses the peripheral device (defined by the daughter board with any/all elements attached to it) including a single port for directly operationally connecting the peripheral device to another device; being directly operationally connected to the inward facing port by the single port; and being directly operationally connected to no other device.

Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Meng (US 6,231,399) in view of Zhu et al. (US 6,142,833).

Regarding claim 23, Meng, as modified, discloses substantially the claimed invention except for the ports being USB ports. Zhu teaches a system board comprising: a connector (Fig. 1) that includes: a first port (at 21) situated at an exterior edge of the system board and facing outward from said exterior edge, and a second port (at 23); the ports being USB ports, thus providing an efficient and reliable interface between the connector and the peripheral device, by reducing the number of electrical

contacts and thus reducing the number of parts that can be damaged. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the ports of Meng as USB ports, as taught by Zhu, in order to provide an efficient and reliable interface between the connector and the peripheral device, by reducing the number of electrical contacts and thus reducing the number of parts that can be damaged.

### ***Response to Arguments***

Applicant's arguments with respect to claim 13 have been considered but are moot in view of the new ground(s) of rejection, as applied.

Please note that Lelong et al. (US 2004/0033734) discloses a motherboard that does not extend the full space of the chassis. Thus placing a connector on the outermost edge of the motherboard would not necessarily expose the peripheral devices mated with the connector.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felix O. Figueroa whose telephone number is (571) 272-2003. The examiner can normally be reached on Mon.-Fri., 10:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Renee Luebke can be reached on (571) 272-2009. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Felix O. Figueroa/  
Primary Examiner  
Art Unit 2833